

What is claimed is:

1. A surface acoustic wave actuator having a mover arranged on a first surface of a piezoelectric board and
5 comb-shaped electrodes formed on the first surface, high frequencies being applied to the comb-shaped electrodes to generate Rayleigh waves that move the mover, comprising:

the com-shaped electrodes including first to fourth electrodes formed on the first surface of the piezoelectric
10 board, the first and third comb-shaped electrodes being on each side of the mover on an X-axis, the second and fourth comb-shaped electrodes being on each side of the mover on a Y-axis;

15 the mover at least having a permanent magnet;
a unit configured to selectively apply a high frequency to at least one of two electrodes one selected from the first and third comb-shaped electrodes and the other from the second and fourth comb-shaped electrodes; and

20 a mover holder facing the mover with the piezoelectric board interposed therebetween, the mover holder at least having a magnetic material configured to hold the mover.

2. A deflector employing the surface acoustic wave actuator of claim 1, comprising:

25 a deflector-body support;
a deflector body supported with a first surface of the deflector-body support and configured to wobble in at least one of X- and Y-axis directions;

30 a magnetic member arranged in a recess formed in the deflector-body support on an axis that passes through the center of a deflecting face of the deflector body and is orthogonal to the deflecting face, the magnetic member being configured to be displaced so as to wobble the deflecting face in at least one of the X- and Y-axis directions; and

the surface acoustic wave actuator arranged beside a second surface of the deflector-body support that is opposite to the first surface,

- 5 the magnetic member being displaced by a magnetic field that is generated in response to a movement of the permanent magnet of the mover in the surface acoustic wave actuator, to wobble the deflecting face of the deflector body.